

TEST DATA

TEST CHANNEL : 20 CH

ANT. IMPEDANCE : 50 ohms

SP. IMPEDANCE : 8 ohms

POWER SUPPLY : DC 13.8V

TRANSMITTER SECTION

		UNIT	LIMIT	# 1
1.	RF OUT PUT POWER PEP FM	W	3.6-4.4	3.9
	AM	W	0.8-1.2	1
	PEP USB	W	3.6-4.4	3.9
	PEP LSB	W	3.6-4.4	3.9
2.	FREQUENCY TOLERANCE FM	Hz	$\pm 400>$	+150
	AM	Hz	$\pm 400>$	+150
	USB	Hz	$\pm 400>$	-30
	LSB	Hz	$\pm 400>$	-20
3.	MIC. SENS. 1KHz DEV FM	mV	6>	5.0
	50% MOD AM	mV	6>	1.0
	1W PEP OUTPUT USB	mV	6>	1.5
	1W PEP OUTPUT LSB	mV	6>	1.5
4.	MODULATION CAPABILIRY FM	KHz	2 ± 0.2	2.0
	AM	%	85~95	95
5.	MOD FREQUENCY REPOSPOSE FM	dB	$-6 \pm 6>$	-10
	LOWER AT 450Hz EIA	dB	$-6 \pm 6>$	-1
	UPPER AT 2500Hz EIA AM	dB	$-6 \pm 6>$	-4
		dB	$-6 \pm 6>$	-1
6.	CARRIER SUPPRESSION USB	dB	38	50
	LSB	dB	38	40
7.	CURRENT DRAIN FM	A	3.5>	2.9
	NO MO D AM	A	3.5>	1.7
	80% MOD AM	A	3.5>	1.7
	MAX PEP SINGLE TONE USB	A	3.5>	2.7
	LSB	A	3.5>	2.7

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RECEIVER SECTION

		UNIT	LIMIT	# 1
1.	SENS FOR 10dB S/N FM	dBuV	-6>	-10
	AM	dBuV	0>	-2
	USB	dBuV	-6>	-16
	LSB	dBuV	-6>	-16
2.	SQUELCH SENS. AT THRESHOLD AM	dBuV	0>	-11
3.	SQUELCH SENS. AT THIGHT AM	dBuV	50~70	64
	SSB	dBuV	50~70	
4.	AGC FIGURE OF MERIT 50mV AM	dB	70<	90
5.	OVERALL AUDIO FIDELITY AT 6dB DOWN			
	UPPER FREQUENCY AM/FM	KHz	1.5~3	2.2/2.2
	LOWER FREQUENCY AM/FM	KHz	0.3~0.6	0.38/0.40
6.	CLARIFIER	KHz	±0.8<	+1.3~-1.0
7.	MAXIMUM AUDIO OUTPUT POWER FM	W	2<	3.6
	AM	W	2<	3.0
	USB	W	2<	4.0
	LSB	W	2<	4.0
8.	OUTPUT POWER AT 10PCT THD FM	W	1<	2.6
	AM	W	1<	2.6
	USB	W	1<	2.6
	LSB	W	1<	2.6
9.	DISTORTION AT 1mV FM	%	10>	6.0
	AM	%	10>	1.8
	USB	%	10>	1.0
	LSB	%	10>	1.2
10.	S/N RATIO AT 1mV FM	dB	34<	49
	AM	dB	34<	54
	USB	dB	34<	36
	LSB	dB	34<	44
11.	IF REJECTION RATIO FM	dB	60<	99
	AM	dB	60<	99
	USB	dB	60<	99
	LSB	dB	60<	99
12.	S-9 SENSITIVITY	dB	30-50	33
13.	RF GAIN CONTROL AT S+N/N 10dB	dB	30-60	50
14.	CURRENT DRAIN NO SIGNAL	mA	500>	300
	MAX SIGNAL	mA	1000>	600